Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Canceled).

2. (New) A pump system, comprising:

a pump tube, connected to a pumped-to system, wherein said pump tube has a different characteristic of elasticity then said pumped-to system;

an actuating part, changing an internal cross section of said pump tube, without extending into an inner surface of said pump tube;

a controller, which controls at least one of frequency, phase, and amplitude of the changing of the pump tube; and

a feedback system, which provides feedback to said controller indicative of a pumping caused by said actuating.

3. (New) A system as in claim 2, further comprising a sensor, which senses an amount of pumping carried out by the pump tube.

4. (New) A system as in claim 2, wherein said actuating part is electrically controllable.

5. (New) A system as in claim 2, wherein said actuating part completely surrounds said pump tube.

6. (New) A system as in claim 2, wherein said actuating part surrounds only a portion of said pump tube.

7. (New) A system as in claim 2, wherein said actuating part does not ever completely close said pump tube.

8. (New) A pumping system, comprising:

a pumping portion, having a first outer surface, and an inner cross-sectional area which is deformable, said pumping portion adapted to be connected to a system through which fluid is to be pumped; and

an actuating part, which changes an inner cross-sectional area of said pumping portion to cause a flow of fluid, wherein said actuating part never completely closes off said inner cross-sectional area.

9. (New) A system as in claim 8, further comprising a controller which controls at least one characteristic of the actuating, and feedback system, that feeds back information indicative of the pumping effect to said controller.

10. (New) A system as in claim 9, wherein said feedback system includes a sensor which senses information about pumping effect.

11. (New) A system as in claim 8, wherein said actuating part completely surrounds said pumping portion.

12. (New) A system as in claim 8, wherein said actuating part only partially surrounds said pumping portion.

13. (New) A system as in claim 8, wherein said pumping portion is a section of tube.

14. (New) A method, comprising:

changing an internal cross section of the tube portion in a way that causes a pumping fluid within said tube portion;

monitoring a pumping effect caused by said changing; and

controlling a characteristic of said changing to cause a desired characteristic of pumping.

15. (New) A method as in claim 14, wherein said changing an internal cross section comprises pinching an outer surface of the tube, without completely constricting the tube.

16. (New) A method as in claim 14, wherein said changing the internal cross section comprises constricting an entire outer surface of the two, completely around the tube.

17. (New) A method as in claim 14, wherein said changing the internal cross section comprises constricting only a portion of the outer surface of the tube.